Negotiated Financial Bid Comparative Statement

Tender Notification No. RRND/EE/Tend/21/2019-20, Date: 04.03.2020

Indent No: BBMP/2019-20/RD/WORK_INDENT40910

**Name of Work: Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadiguddi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).**

| Sl No | Item Name | Unit | Estimate Quantity | As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.) | | As per PWD SR 2018-19 and Issue Rate Dated: 01.07.2020 | | Rates quoted by NAGINENI MUNISWAMYNAIDU KRISHNAMURTHY | | Negotiated rates quoted by NAGINENI MUNISWAMYNAIDU KRISHNAMURTHY | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Estimate Rate | Total Amount in Rs | Estimate Rate | Total Amount in Rs | Rate | Total Amount in Rs | Rate | Total Amount in Rs |
| 1 | Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand | Nos | 12.00 | 3768.00 | 45216.00 | 3768.00 | 45216.00 | 4113.90 | 49366.80 | 3806.00 | 45672.00 |
| 2 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 347.00 | 208200.00 | 347.00 | 208200.00 | 378.85 | 227310.00 | 350.00 | 210000.00 |
| 3 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 442.00 | 265200.00 | 442.00 | 265200.00 | 482.58 | 289548.00 | 446.00 | 267600.00 |
| 4 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of | Rmtr | 600.00 | 456.00 | 273600.00 | 456.00 | 273600.00 | 497.86 | 298716.00 | 461.00 | 276600.00 |
| 5 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 536.00 | 321600.00 | 536.00 | 321600.00 | 585.20 | 351120.00 | 541.00 | 324600.00 |
| 6 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 634.00 | 380400.00 | 634.00 | 380400.00 | 692.20 | 415320.00 | 640.00 | 384000.00 |
| 7 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 700.00 | 420000.00 | 700.00 | 420000.00 | 764.26 | 458556.00 | 707.00 | 424200.00 |
| 8 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 825.00 | 495000.00 | 825.00 | 495000.00 | 900.74 | 540444.00 | 833.00 | 499800.00 |
| 9 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata | Rmtr | 600.00 | 900.00 | 540000.00 | 900.00 | 540000.00 | 982.62 | 589572.00 | 909.00 | 545400.00 |

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| 10 | super cast hydraulic ◆rig of capacity 500 Ps & above 1100 CMF & above in all strata including | Rmtr | 240.00 | 1129.00 | 270960.00 | 1129.00 | 270960.00 | 1232.64 | 295833.60 | 1140.00 | 273600.00 |
| 11 | Providing and fixing 250mm dia PVC (casing pipe) As Per Direction of Engineer Incharge | Rmtr | 144.00 | 2600.00 | 374400.00 | 2600.00 | 374400.00 | 2838.68 | 408769.92 | 2626.00 | 378144.00 |
| 12 | Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 | Rmtr | 600.00 | 1325.00 | 795000.00 | 1325.00 | 795000.00 | 1446.64 | 867984.00 | 1338.00 | 802800.00 |
| 13 | Providing 175mm Dia M.S. CollarAs Per Direction of Engineer Incharge | Nos | 100.00 | 150.00 | 15000.00 | 150.00 | 15000.00 | 163.77 | 16377.00 | 152.00 | 15200.00 |
| 14 | Providing 175mm dia Bore Cap CE (M) (As Per Direction of Engineer Incharge | Nos | 12.00 | 100.00 | 1200.00 | 100.00 | 1200.00 | 109.18 | 1310.16 | 101.00 | 1212.00 |
| 15 | Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) As Per Direction of Engineer Incharge | Nos | 12.00 | 49955.00 | 599460.00 | 49955.00 | 599460.00 | 54540.87 | 654490.44 | 50455.00 | 605460.00 |
| 16 | Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured | Rmtr | 4440.00 | 411.28 | 1826083.20 | 411.28 | 1826083.20 | 449.04 | 1993737.60 | 415.00 | 1842600.00 |
| 17 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with | Rmtr | 9000.00 | 126.70 | 1140300.00 | 126.70 | 1140300.00 | 138.33 | 1244970.00 | 128.00 | 1152000.00 |
| 18 | Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and | Nos | 12.00 | 1345.14 | 16141.68 | 1345.14 | 16141.68 | 1468.62 | 17623.44 | 1359.00 | 16308.00 |
| 19 | Spplying and fixing 50mm GI Union.As Per Direction of Engineer Incharge | Nos | 12.00 | 223.70 | 2684.40 | 223.70 | 2684.40 | 244.24 | 2930.88 | 226.00 | 2712.00 |
| 20 | Spplying and fixing 50mm GI Elbow.As Per Direction of Engineer Incharge | Nos | 12.00 | 111.80 | 1341.60 | 111.80 | 1341.60 | 122.06 | 1464.72 | 113.00 | 1356.00 |
| 21 | Spplying and fixing 50mm GI Nipple.As Per Direction of Engineer Incharge | Nos | 12.00 | 104.30 | 1251.60 | 104.30 | 1251.60 | 113.87 | 1366.44 | 105.00 | 1260.00 |
| 22 | Spplying and fixing 50mm GI Hose collersAs Per Direction of Engineer Incharge | Nos | 744.00 | 103.00 | 76632.00 | 103.00 | 76632.00 | 112.46 | 83670.24 | 104.00 | 77376.00 |
| 23 | Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick | Nos | 12.00 | 302.00 | 3624.00 | 302.00 | 3624.00 | 329.72 | 3956.64 | 305.00 | 3660.00 |
| 24 | Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve | Nos | 12.00 | 1936.00 | 23232.00 | 1936.00 | 23232.00 | 2113.72 | 25364.64 | 1955.00 | 23460.00 |
| 25 | Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG | Nos | 12.00 | 1800.00 | 21600.00 | 1800.00 | 21600.00 | 1965.24 | 23582.88 | 1818.00 | 21816.00 |
| 26 | Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DCAs Per Direction | Nos | 12.00 | 430.00 | 5160.00 | 430.00 | 5160.00 | 469.47 | 5633.64 | 434.00 | 5208.00 |



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| 27 | [illegible] button type with [illegible] conductors and adjustable thermal timer | Nos | 12.00 | [illegible] | 76600.00 | 6400.00 | [illegible] | 6987.82 | 83850.[illegible] | 6[illegible].00 | 77538.00 |
| 28 | Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP | Nos | 12.00 | 745.00 | 8940.00 | 745.00 | 8940.00 | 813.39 | 9760.68 | 752.00 | 9024.00 |
| 29 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or | Mtrs | 240.00 | 45.00 | 10800.00 | 45.00 | 10800.00 | 49.13 | 11791.20 | 45.00 | 10800.00 |
| 30 | Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor | Nos | 48.00 | 400.00 | 19200.00 | 400.00 | 19200.00 | 436.72 | 20962.56 | 404.00 | 19392.00 |
| 31 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm | Nos | 12.00 | 2999.70 | 35996.40 | 2999.70 | 35996.40 | 3275.07 | 39300.84 | 3030.00 | 36360.00 |
| 32 | Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete As Per | Mtrs | 96.00 | 102.00 | 9792.00 | 102.00 | 9792.00 | 111.36 | 10690.56 | 103.00 | 9888.00 |
| 33 | Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip | Mtrs | 120.00 | 150.00 | 18000.00 | 150.00 | 18000.00 | 163.77 | 19652.40 | 152.00 | 18240.00 |
| 34 | Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing | Nos | 300.00 | 11.88 | 3564.00 | 11.88 | 3564.00 | 12.97 | 3891.00 | 12.00 | 3600.00 |
| 35 | Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary | Rmtr | 24.00 | 335.00 | 8040.00 | 335.00 | 8040.00 | 365.75 | 8778.00 | 338.00 | 8112.00 |
| 36 | Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound | Nos | 12.00 | 270.00 | 3240.00 | 270.00 | 3240.00 | 294.79 | 3537.48 | 273.00 | 3276.00 |
| 37 | Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 ampsAs Per Direction of | Nos | 36.00 | 227.00 | 8172.00 | 227.00 | 8172.00 | 247.84 | 8922.24 | 229.00 | 8244.00 |
| 38 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in | Cum | 401.27 | 952.94 | 382386.23 | 952.94 | 382386.23 | 1040.42 | 417489.33 | 962.00 | 386021.74 |
| 39 | Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches | Cum | 601.91 | 475.94 | 286473.05 | 475.94 | 286473.05 | 519.63 | 312770.49 | 481.00 | 289518.71 |
| 40 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold | Mtrs | 2048.58 | 457.92 | 938085.75 | 457.92 | 938085.75 | 499.96 | 1024208.06 | 462.00 | 946443.96 |
| 41 | Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the | Each | 241.00 | 511.98 | 123387.18 | 511.98 | 123387.18 | 558.98 | 134714.18 | 517.00 | 124597.00 |
| 42 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water | Mtrs | 2651.00 | 166.42 | 441179.42 | 166.42 | 441179.42 | 181.70 | 481686.70 | 168.00 | 445368.00 |



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| | kgf/sq.cm working pressure 25mm outside dia | | | | | | | | | | |
| 44 | Refilling lines,cables in layers not exceeding 20cms in depth, compacting each deposited layer by | available | around | earth | pipe | Cum | 421.34 | 128.26 | 54041.07 | 128.26 | 54041.07 |
| 45 | Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum, KSRRB M100-1:Placing tipper at loading point, loading | | | | | Cum | 581.84 | 97.96 | 56997.05 | 97.96 | 56997.05 |
| 46 | Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including | | | | | Each | 12.00 | 1843.34 | 22120.08 | 1843.34 | 22120.08 |
| 47 | : Providing and fixing in position brass stop cock of approved quality including cost of all materials, labour and HOM | | | | | Each | 491.00 | 149.46 | 73384.86 | 149.46 | 73384.86 |
| 48 | Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement 180kgs. with 40mm and down size graded | | | | | Cum | 300.95 | 5408.12 | 1627573.71 | 5408.12 | 1627573.71 |
| 49 | Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality | | | | | Ltr | 250000.00 | 5.49 | 1372500.00 | 5.49 | 1372500.00 |
| 50 | Supplying, installation, testing and commissioning of solar hot water heater comprising of solar Flat Plate Collector (FPC) | | | | | Nos | 250.00 | 48600.00 | 12150000.00 | 48600.00 | 12150000.00 |
| 51 | Dismantling of cement concrete pavement by mechanical means using neumatic tools, breaking to pieces not exceeding 0.02 cum in | | | | | Cum | 1376.79 | 952.94 | 1311998.26 | 952.94 | 1311998.26 |
| 52 | Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an | | | | | Cum | 1388.97 | 137.80 | 191400.07 | 137.80 | 191400.07 |
| 53 | Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including | | | | | Mtrs | 679.32 | 2023.54 | 1374631.19 | 2023.54 | 1374631.19 |
| 54 | Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and | | | | | Cum | 66.44 | 4479.56 | 297621.97 | 4479.56 | 297621.97 |
| 55 | Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement | | | | | Mtrs | 125.60 | 1119.36 | 140591.62 | 1119.36 | 140591.62 |
| 56 | Constructing brick masonry circular type manhole 0.91 m internal dia at bottom, 1.67 m deep and 0.56m dia at top with table moulded | | | | | Nos | 80.00 | 25741.04 | 2059283.20 | 25741.04 | 2059283.20 |
| 57 | Constructing brick masonry inspection chamber for single pipeline using table | | | | | Nos | 180.00 | 5618.00 | 1011240.00 | 5618.00 | 1011240.00 |
| 58 | Making connection of drain or sewer line of size 230 to 300 mm external dia with existing manhole including breaking into and making | | | | | Nos | 120.00 | 3697.28 | 443673.60 | 3697.28 | 443673.60 |

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| 8000.00 | 58.74 | 1053920.00 | 138.74 | 1053920.00 | 1053920.00 |
| 421.34 | 128.26 | 54041.07 | 128.26 | 54041.07 | 54041.07 |
| 581.84 | 97.96 | 56997.05 | 97.96 | 56997.05 | 56997.05 |
| 12.00 | 1843.34 | 22120.08 | 1843.34 | 22120.08 | 22120.08 |
| 491.00 | 149.46 | 73384.86 | 149.46 | 73384.86 | 73384.86 |
| 300.95 | 5408.12 | 1627573.71 | 5408.12 | 1627573.71 | 1627573.71 |
| 250000.00 | 5.49 | 1372500.00 | 5.49 | 1372500.00 | 1372500.00 |
| 250.00 | 48600.00 | 12150000.00 | 48600.00 | 12150000.00 | 12150000.00 |
| 1376.79 | 952.94 | 1311998.26 | 952.94 | 1311998.26 | 1311998.26 |
| 1388.97 | 137.80 | 191400.07 | 137.80 | 191400.07 | 191400.07 |
| 679.32 | 2023.54 | 1374631.19 | 2023.54 | 1374631.19 | 1374631.19 |
| 66.44 | 4479.56 | 297621.97 | 4479.56 | 297621.97 | 297621.97 |
| 125.60 | 1119.36 | 140591.62 | 1119.36 | 140591.62 | 140591.62 |
| 80.00 | 25741.04 | 2059283.20 | 25741.04 | 2059283.20 | 2059283.20 |
| 180.00 | 5618.00 | 1011240.00 | 5618.00 | 1011240.00 | 1011240.00 |
| 120.00 | 3697.28 | 443673.60 | 3697.28 | 443673.60

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| 59 | manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size | No3 | 80.00 | 292.50 | 23404.85 | 292.50 | 23400.00 | 319.42 | 25553.60 | 295.00 | 23600.00 |
| 60 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and | Mtrs | 750.00 | 460.04 | 345030.00 | 460.04 | 345030.00 | 502.27 | 376702.50 | 465.00 | 348750.00 |
| 61 | KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited | Cum | 833.38 | 128.26 | 106889.32 | 128.26 | 106889.32 | 140.03 | 116698.20 | 130.00 | 108339.40 |
| 62 | Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading | Cum | 1932.38 | 97.96 | 189295.94 | 97.96 | 189295.94 | 106.95 | 206668.04 | 99.00 | 191305.62 |
| 63 | Providing, laying, spreading and compacting specified graded sand, gravel or any other course material 60% and crushed stone | Cum | 697.85 | 1322.88 | 923171.81 | 1322.88 | 923171.81 | 1444.32 | 1007918.71 | 1336.00 | 932327.60 |
| 64 | Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an | Cum | 10472.17 | 137.80 | 1443065.03 | 137.80 | 1443065.03 | 150.45 | 1575537.98 | 139.00 | 1455631.63 |
| 65 | Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including | Sqm | 6433.94 | 6.36 | 40919.86 | 6.36 | 40919.86 | 6.94 | 44651.54 | 6.00 | 38603.64 |
| 66 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of | Cum | 965.09 | 1994.92 | 1925277.34 | 1994.92 | 1925277.34 | 2178.05 | 2102014.27 | 2015.00 | 1944656.35 |
| 67 | Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal | Cum | 965.09 | 3884.90 | 3749278.14 | 3884.90 | 3749278.14 | 4241.53 | 4093458.19 | 3924.00 | 3787013.16 |
| 68 | Constructing un-reinforced, plain cement concrete for pavements using Grade concrete | Cum | 965.09 | 5210.96 | 5029045.39 | 5210.96 | 5029045.39 | 5689.33 | 5490715.49 | 5263.00 | 5079268.67 |
| 69 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater | Sqm | 6433.94 | 72.08 | 463758.40 | 72.08 | 463758.40 | 78.70 | 506351.08 | 73.00 | 469677.62 |
| 70 | Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and | Cum | 572.63 | 4479.56 | 2565130.44 | 4479.56 | 2565130.44 | 4890.78 | 2800607.35 | 4527.00 | 2592296.01 |
| 71 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal | Cum | 1355.39 | 7070.20 | 9582878.38 | 7070.20 | 9582878.38 | 7719.24 | 10462580.70 | 7151.00 | 9692393.89 |
| 72 | TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per | Tonne | 88.56 | 72326.98 | 6405277.35 | 65046.90 | 5760553.46 | 78966.60 | 6993282.10 | 73050.00 | 6469308.00 |
| 73 | Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, | Sqm | 2507.38 | 2337.00 | 5859747.06 | 2337.00 | 5859747.06 | 2551.54 | 6397680.37 | 2337.00 | 5859747.06 |
| 74 | Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, | Sqm | 702.00 | 5418.00 | 3803436.00 | 5418.00 | 3803436.00 | 5915.37 | 4152589.74 | 5418.00 | 3803436.00 |



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| | DOUBLE OF SAFE ... R X 1.5MTR, CENTER PIPE : 100 NB GI B-CLASS | Nos | 2.00 | ...0000.00 | 180000.00 | 90000.00 | 98262.00 | 196524.00 | 90900.00 | 181800.00 | | | |
| 76 | SUPPLYING AND FIXING OF FUN WALKER DOUBLE OF SAFE AEA : 3MTR X 2MTR, MAIN FRAME : 100 NB GI B-Class Pipe, LEG | Nos | 3.00 | 150000.00 | 450000.00 | 150000.00 | 450000.00 | 163770.00 | 491310.00 | 151500.00 | 454500.00 | | |
| 77 | SUPPLYING AND FIXING OF PENDULUM DOUBLE OF SAFE AEA : 2.5MTR X 1MTR, MAIN FRAME : 100 NB GI B-Class Pipe, LEG | Nos | 2.00 | 90000.00 | 180000.00 | 90000.00 | 180000.00 | 98262.00 | 196524.00 | 90900.00 | 181800.00 | | |
| 78 | SUPPLYING AND FIXING OF SHOULDER PRESS DOUBLE OF SAFE AEA : 4MTR X 2.5MTR OF CENTRE PIPE: 100 NB GI B- | Nos | 2.00 | 180000.00 | 360000.00 | 180000.00 | 360000.00 | 196524.00 | 393048.00 | 181800.00 | 363600.00 | | |
| 79 | SUPPLYING AND FIXING OF CYCLE TWO WAY OF SAFE AEA : 2.5MTR X 1MTR, MAIN FRAME : 100 NB GI B-Class Pipe, ARM | Nos | 2.00 | 105000.00 | 210000.00 | 105000.00 | 210000.00 | 114639.00 | 229278.00 | 106050.00 | 212100.00 | | |
| 80 | SUPPLYING AND FIXING OF TAI CHI SPINNER DOUBLE OF SAFE AEA : 2MTR DIA, MAIN FRAME : 100 NB GI B-Class Pipe, | Nos | 3.00 | 90000.00 | 270000.00 | 90000.00 | 270000.00 | 98262.00 | 294786.00 | 90900.00 | 272700.00 | | |
| 81 | SUPPLYING AND FIXING OF TWISTER THREE WAY OF SAFE AEA : 2.5 MTR DIA, MAIN FRAME : 100 NB GI B-Class Pipe, ARM | Nos | 2.00 | 90000.00 | 180000.00 | 90000.00 | 180000.00 | 98262.00 | 196524.00 | 90900.00 | 181800.00 | | |
| 82 | SUPPLYING AND FIXING OF CHEST PRESS DOUBLE OF SAFE AEA : 4MTR X 2.5MTR OF CENTRE PIPE: 100 NB GI B-Class Pipe, | Nos | 1.00 | 180000.00 | 180000.00 | 180000.00 | 180000.00 | 196524.00 | 196524.00 | 181800.00 | 181800.00 | | |
| 83 | SUPPLYING AND FIXING OF FUN ROVER OF SAFE AEA : 2.5MTR X 1.5MTR, MAIN FRAME : 80 NB GI B-Class Pipe, SEAT | Nos | 3.00 | 62000.00 | 186000.00 | 62000.00 | 186000.00 | 67691.60 | 203074.80 | 62620.00 | 187860.00 | | |
| 84 | SUPPLYING AND FIXING OF FUN RIDER OF SAFE AEA : 2.5MTR X 1.5MTR, MAIN FRAME : 80 NB GI B-Class Pipe, SEAT | Nos | 1.00 | 150000.00 | 150000.00 | 150000.00 | 150000.00 | 163770.00 | 163770.00 | 151500.00 | 151500.00 | | |
| 85 | SUPPLYING AND FIXING OF STEP TRAINER OF SAFE AEA : 3MTR X 1.5MTR, MAIN FRAME : 100 NB GI B-Class Pipe, | Nos | 2.00 | 181500.00 | 363000.00 | 181500.00 | 363000.00 | 198161.70 | 396323.40 | 183315.00 | 366630.00 | | |
| 86 | SUPPLYING AND FIXING OF ROLLING BARREL DOUBLE OF SAFE AEA : 2.8MTR X 1.5MTR OF CENTRE PIPE: 100 NB GI B- | Nos | 2.00 | 144000.00 | 288000.00 | 144000.00 | 288000.00 | 157219.20 | 314438.40 | 145440.00 | 290880.00 | | |
| 87 | Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring | Sqm | 557.66 | 1290.00 | 719381.40 | 1290.00 | 719381.40 | 1408.42 | 785419.50 | 1303.00 | 726630.98 | | |
| 88 | Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in | Cum | 29.40 | 4871.76 | 143229.74 | 4871.76 | 143229.74 | 5318.99 | 156378.31 | 4920.00 | 144648.00 | | |
| 89 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite | Cum | 19.51 | 5811.98 | 113391.73 | 5811.98 | 113391.73 | 6345.52 | 123801.10 | 5870.00 | 114523.70 | | |
| 90 | Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring | Sqm | 857.74 | 1250.00 | 1072175.00 | 1250.00 | 1072175.00 | 1364.75 | 1170600.67 | 1263.00 | 1083325.62 | | |



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| | with top and bottom width 114 and 165 mm | | | | | | | | | | |
| 92 | Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm | Mtrs | 115.50 | 910.54 | 105167.37 | 910.54 | 105167.37 | 910.54 | 105167.37 | 910.54 | 105167.37 |
| 93 | welded together and fixed in CC (1:2:4) WITH dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in | Mtrs | 210.00 | 432.48 | 90820.80 | 432.48 | 90820.80 | 432.48 | 90820.80 | 432.48 | 90820.80 |
| 94 | Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts | Sqm | 196.00 | 757.90 | 148548.40 | 757.90 | 148548.40 | 757.90 | 148548.40 | 757.90 | 148548.40 |
| 95 | Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, | Cum | 18.57 | 169.56 | 3148.73 | 169.56 | 3148.73 | 169.56 | 3148.73 | 169.56 | 3148.73 |
| 96 | KSRB -2.2.1 : Earthwork excavation for foundation of buildings, culverts, sanitary lines and electrical conduits either in | Cum | 73.30 | 322.92 | 23670.04 | 322.92 | 23670.04 | 322.92 | 23670.04 | 322.92 | 23670.04 |
| 97 | KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC | Cum | 9.20 | 5510.16 | 50693.47 | 5510.16 | 50693.47 | 5510.16 | 50693.47 | 5510.16 | 50693.47 |
| 98 | cement @ 180 kgs. with 40mm and down size KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 | Cum | 13.28 | 6528.60 | 86699.81 | 6528.60 | 86699.81 | 6528.60 | 86699.81 | 6528.60 | 86699.81 |
| 99 | with OPC cement @320kgs. with 20mm and Providing and removing centering, shuttering, work for sides & soffits of beams, beam | Sqm | 40.30 | 315.36 | 12709.01 | 315.36 | 12709.01 | 315.36 | 12709.01 | 315.36 | 12709.01 |
| 100 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, | Sqm | 72.00 | 475.20 | 34214.40 | 475.20 | 34214.40 | 475.20 | 34214.40 | 475.20 | 34214.40 |
| 101 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes | Sqm | 3.10 | 475.20 | 1473.12 | 475.20 | 1473.12 | 475.20 | 1473.12 | 475.20 | 1473.12 |
| 102 | Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights. | Sqm | 6.20 | 348.84 | 2162.81 | 348.84 | 2162.81 | 348.84 | 2162.81 | 348.84 | 2162.81 |
| 103 | Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or | Tonn e | 1.56 | 76643.28 | 119563.52 | 68274.60 | 106508.38 | 68679.13 | 107139.53 | 68274.60 | 106508.38 |
| 104 | Providing & Constructing Granite/ trap/basalt size stone Masonary in basement with Cement morter 1:8 edges of stone chistle dressed in | Cum | 29.30 | 5921.64 | 173504.05 | 5921.64 | 173504.05 | 5921.64 | 173504.05 | 5865.25 | 171853.83 |
| 105 | Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, | Cum | 29.40 | 217.08 | 6382.15 | 217.08 | 6382.15 | 217.08 | 6382.15 | 217.01 | 6379.99 |
| 106 | Providing and constructing Pre cast solid blocks with Compressive strength not less than 35 kg/ sqm with cement morter 1:4 masonary | Sqm | 113.50 | 997.92 | 113263.92 | 997.92 | 113263.92 | 997.92 | 113263.92 | 1089.53 | 123661.66 |



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|---|---|---|---|---|---|---|---|---|---|---|---|
| | Walls comect con... solid ...cks with compressive strength not less than 35 kg/sqm | Sqm | 50... | 87... | 40120.62 | 87... | ...50.62 | 906.23 | ...08 | 385.00 | 48652.70 |
| 108 | Providing 18mm thick cement plaster in single coat with cement mortor 1:3 to Brick masonary including rounding off corners wherver | Sqm | 149.30 | 298.08 | 44503.34 | 298.08 | 44503.34 | 325.44 | 48588.19 | 301.00 | 44939.30 |
| 109 | Providing 18mm thick cement plaster in single coat with cement mortor 1:4, to brick masonry including rounding off corners wherver | Sqm | 169.30 | 281.88 | 47722.28 | 281.88 | 47722.28 | 307.76 | 52103.77 | 285.00 | 48250.50 |
| 110 | Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to ceiling including rounding off corners wherver | Sqm | 56.00 | 253.80 | 14212.80 | 253.80 | 14212.80 | 277.10 | 15517.60 | 256.00 | 14336.00 |
| 111 | Providing INTEGRAL CRYSTALINE Waterproofing treatment to the sunken portion of toilets. Using Crystalline Slurry of approved | Sqm | 69.12 | 464.40 | 32099.33 | 464.40 | 32099.33 | 507.03 | 35045.91 | 469.00 | 32417.28 |
| 112 | Providing and fixing of factorymade 30 mm P.V.C door frame of size 50x47 mm with a wall thickness of 5 mm made out of extrued 5 mm | Sqm | 25.83 | 505.44 | 13055.52 | 505.44 | 13055.52 | 551.84 | 14254.03 | 510.00 | 13173.30 |
| 113 | Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19 x | Sqm | 23.90 | 2999.16 | 71679.92 | 2999.16 | 71679.92 | 3274.48 | 78260.07 | 3029.00 | 72393.10 |
| 114 | Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable | Sqm | 5.10 | 4209.84 | 21470.18 | 4209.84 | 21470.18 | 4596.30 | 23441.13 | 4252.00 | 21685.20 |
| 115 | Providing and fixing in position black cuddapah slab / Shahabad Slab/Thandur blue slab 4 cms thick for roofing laid to line and level over | Sqm | 5.40 | 686.88 | 3709.15 | 686.88 | 3709.15 | 749.94 | 4049.68 | 694.00 | 3747.60 |
| 116 | Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement | Sqm | 57.00 | 1306.80 | 74487.60 | 1306.80 | 74487.60 | 1426.76 | 81325.32 | 1320.00 | 75240.00 |
| 117 | Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry | Sqm | 85.70 | 1377.00 | 118008.90 | 1377.00 | 118008.90 | 1503.41 | 128842.24 | 1391.00 | 119208.70 |
| 118 | Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming | Sqm | 84.00 | 118.80 | 9979.20 | 118.80 | 9979.20 | 129.71 | 10895.64 | 120.00 | 10080.00 |
| 119 | Providing and applying two coats with oil bound washable distemper of approved brand and shade on Ceiling surface including priming | Sqm | 56.00 | 127.44 | 7136.64 | 127.44 | 7136.64 | 139.14 | 7791.84 | 129.00 | 7224.00 |
| 120 | Water proof cement paint KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer | Sqm | 149.30 | 110.16 | 16446.89 | 110.16 | 16446.89 | 120.27 | 17956.31 | 111.00 | 16572.30 |
| 121 | Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, | Each | 8.00 | 1437.48 | 11499.84 | 1437.48 | 11499.84 | 1569.44 | 12555.52 | 1452.00 | 11616.00 |
| 122 | Providing and fixing white vitreous china clay, flat back lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic | Each | 3.00 | 3317.76 | 9953.28 | 3317.76 | 9953.28 | 3622.33 | 10866.99 | ...51.00 | 10053.00 |



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| | construction of cistren in M 15 as per | Each | | | 4960.00 | | 4960.00 | 204.79 | | | |
| 124 | Providing and fixing in position CP bib cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM | Each | 20.00 | 186.84 | 3736.80 | 186.84 | 3736.80 | 203.99 | 4079.80 | 189.00 | 3780.00 |
| 125 | Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C P brass pillar tap with C I / M.S | Nos | 4.00 | 3262.68 | 13050.72 | 3262.68 | 13050.72 | 3562.19 | 14248.76 | 3295.00 | 13180.00 |
| 126 | Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working pressure | Mtrs | 20.00 | 352.08 | 7041.60 | 352.08 | 7041.60 | 384.40 | 7688.00 | 356.00 | 7120.00 |
| 127 | Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working pressure | Mtrs | 35.00 | 410.40 | 14364.00 | 410.40 | 14364.00 | 448.07 | 15682.45 | 415.00 | 14525.00 |
| 128 | KSRB 13-9 : Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working | Mtrs | 45.00 | 486.00 | 21870.00 | 486.00 | 21870.00 | 530.61 | 23877.45 | 491.00 | 22095.00 |
| 129 | Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride ( CPVC) pipes conforming to IS 15778, having thermal | Mtrs | 45.00 | 222.48 | 10011.60 | 222.48 | 10011.60 | 242.90 | 10930.50 | 225.00 | 10125.00 |
| 130 | Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride ( CPVC) pipes conforming to IS 15778, having thermal | Mtrs | 35.00 | 253.80 | 8883.00 | 253.80 | 8883.00 | 277.10 | 9698.50 | 256.00 | 8960.00 |
| 131 | Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all | Nos | 15.00 | 362.88 | 5443.20 | 362.88 | 5443.20 | 396.19 | 5942.85 | 367.00 | 5505.00 |
| 132 | Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all | Each | 15.00 | 484.92 | 7273.80 | 484.92 | 7273.80 | 528.44 | 7941.60 | 490.00 | 7350.00 |
| 133 | Polyethylene water storage tank of specified capacity and make | Nos | 2000.00 | 5.08 | 10160.00 | 5.08 | 10160.00 | 5.55 | 11100.00 | 5.00 | 10000.00 |
| 134 | Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride ( CPVC) pipes conforming to IS 15778, having thermal | Mtrs | 25.00 | 157.68 | 3942.00 | 157.68 | 3942.00 | 172.16 | 4304.00 | 159.00 | 3975.00 |
| 135 | Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride ( CPVC) pipes conforming to IS 15778, having thermal | Mtrs | 35.00 | 193.32 | 6766.20 | 193.32 | 6766.20 | 211.07 | 7387.45 | 195.00 | 6825.00 |
| 136 | Providing and fixing to wall, ceiling and floor , high density polyethylene pipes 6.00 kgf /sqcm working pressure 110 mm outside diameter | Mtrs | 15.00 | 253.80 | 3807.00 | 253.80 | 3807.00 | 277.10 | 4156.50 | 256.00 | 3840.00 |
| 137 | Providing stone ware gully trap of approved quality and fixing in C C 1:2:4 and plastering with C M 1:3 where ever necessary (Rate | Each | 4.00 | 205.20 | 820.80 | 205.20 | 820.80 | 224.04 | 896.16 | 207.00 | 828.00 |
| 138 | Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, ( clear inside dimension ) for single pipeline | Nos | 8.00 | 9169.20 | 73353.60 | 9169.20 | 73353.60 | 8010.93 | 80087.44 | 7401.00 | 74088.00 |

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| | comprising of solar Flat Plate Collector (FPC) | Each | | | | | | | | | |
| | **Total Summary Amount** | | | | **83156164.02** | | **8249384.99** | **907888892.82** | **10.05** | **839877725.00** | **1.81** |
| | **% when compared to PWD SR 2018-19 and Issue rates dated 01.07.2020** | | | | | | | | **9.18** | **1.00** | |
| | **% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)** | | | | | | | | | | |

Executive Engineer
Rajarajeshwari nagar Division
BBMP



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